

PROJECT DESCRIPTION

I. GENERAL

This project involves the installation of video detection for all approaches and detectors for US 13 and westbound MD 756 advanced detection.

II. INTERSECTION OPERATION

1. The intersection is to operate in a NEMA 6-phase, full-actuated mode, with the US 13 north and south approaches operating concurrently and the MD 756/ Linden Ave approaches operating in a split phase mode.

NOTES

1. For final pavement markings, refer to the pavement marking plans, as applicable; other than those detailed on the plan. All pavement markings shall be installed in accordance with Administration standards.
2. The contractor shall be responsible for terminating all signal cable to the appropriate terminals and properly label each cable.
3. All underground and overhead utilities shown on these plans are schematic only and may not be complete. The Contractor shall be responsible for notifying Miss Utility prior to construction so that all utilities may be located in the field. If the Contractor perceives that a conflict between the utilities and the traffic signal will occur, the Contractor shall notify the Project Engineer immediately so that the conflict may be resolved.
4. The contractor shall maintain the continuous operation of all interconnect, vehicular, pedestrian detectors, and lighting devices. If any device is damaged by the contractor, it shall be repaired within 72 hours by the contractor at no cost to the Administration after notification by the Engineer.

CONTACTS

DISTRICT

MR. DONNIE DREWER  
DISTRICT ENGINEER  
410 677-4006

MR. GENE COFIELL  
ASSISTANT DISTRICT ENGINEER - TRAFFIC  
410 677-4040

MR. BRUCE POOLE  
ASSISTANT DISTRICT ENGINEER - UTILITIES  
410 677-4082

MR. RAVINDRA GANVIR  
ASSISTANT DISTRICT ENGINEER - CONSTRUCTION  
410 677-4020

MR. JAMES WRIGHT  
ASSISTANT DISTRICT ENGINEER - MAINTENANCE  
410 677-4010

OFFICE OF TRAFFIC AND SAFETY

MR. RICHARD DAFF SR.  
CHIEF, TRAFFIC OPERATIONS  
410-787-7630

MR. ROBERT SNYDER  
ASSISTANT DIVISION CHIEF, TRAFFIC OPERATIONS  
410-787-7630

MR. ED RODENHIZER  
CHIEF SIGNAL OPERATIONS  
410-787-7650

MR. EUGENE BAILEY  
CHIEF SIGN OPERATIONS  
410-787-7670

MS. DARLENE EIDE  
SUPPLY OFFICER IV (SIGNAL SHOP WAREHOUSE)  
410-787-7668

EQUIPMENT LIST

A. EQUIPMENT TO BE FURNISHED BY STATE HIGHWAY ADMINISTRATION

ITEM NO./ CAT CODE	QUANTITY	DESCRIPTION
9086	1 EA	VIDEO DETECTION INTERFACE EQUIPMENT: 1-4 CAMERAS

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR

ITEM NO./ CAT CODE	QUANTITY	DESCRIPTION
1001	1 EA	MAINTENANCE OF TRAFFIC
8010	140 LF	3" SCHEDULE 80 PVC CONDUIT (BORED)
8022	2 EA	MICRO-LOOP PROBE SET, 1000 FOOT LEAD IN CABLE
8024	4 EA	NONINVASIVE DETECTOR, 1000 FOOT LEAD IN CABLE
8025	2 EA	F&I ELECTRICAL HANDHOLE
8026	4 EA	VIDEO DETECTION CAMERA
8027	1 EA	CONTROL CABLE, 250 FOOT, VIDEO DETECTION, CAMERA TO CONTROLLER
8028	1 EA	CONTROL CABLE, 500 FOOT, VIDEO DETECTION, CAMERA TO CONTROLLER
8031	40 LF	SAW CUT FOR SIGNAL LOOP DETECTOR

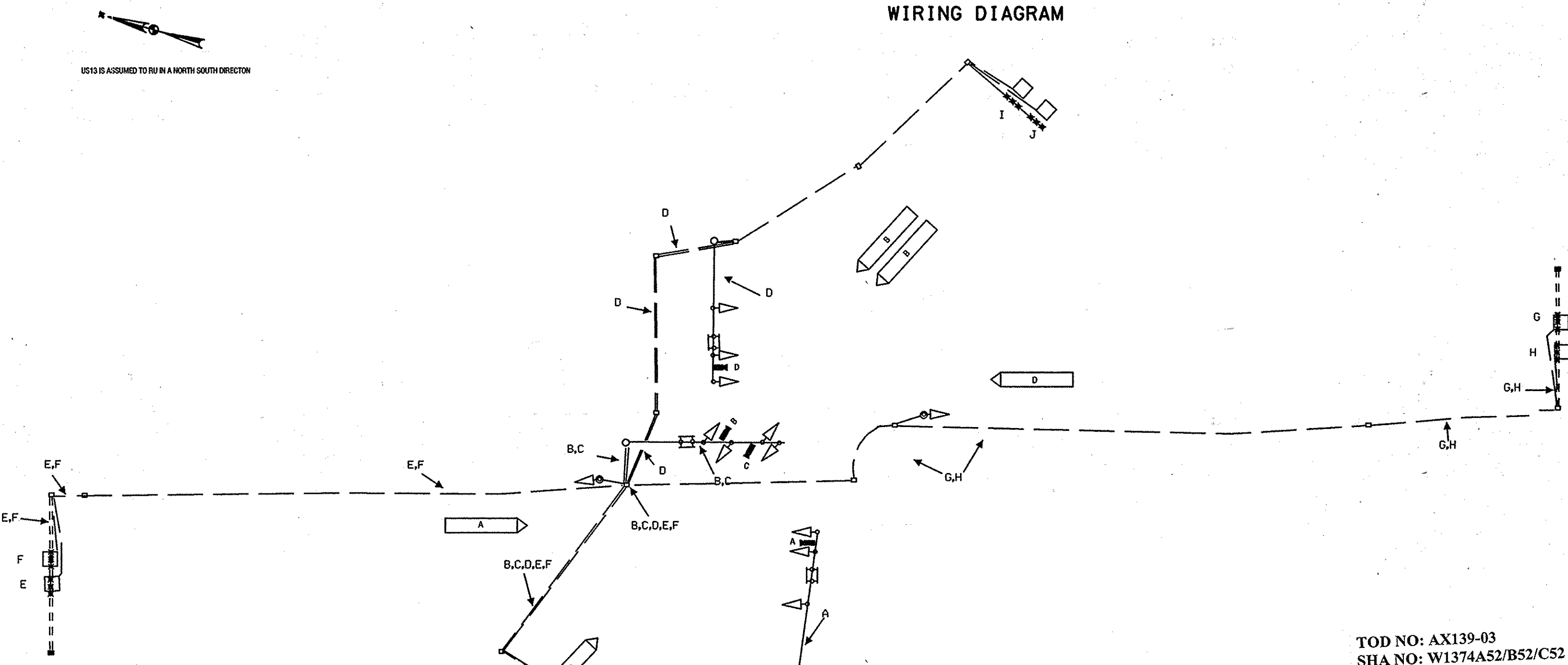
C. IF THE CABINET IS TO BE REMOVED SHA FORCES SHALL REMOVE THE CONTROLLER AND ALL AUXILIARY EQUIPMENT FROM THE CONTROLLER CABINET. THE CABINET AND ALL OTHER MATERIALS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

PHASE CHART

1	2	3	4	5	6	7	8	9	10	11	12
←G	←G	R	R	←G	←G	R	R	R	R	R	R
←Y	←Y	Y	Y	←Y	←Y	Y	Y	Y	Y	Y	Y
←G	←G	G	G	←G	←G	G	G	G	G	G	G

PHASE 1 AND 5	←G	←G	R	R	←G	←G	R	R	R	R	R	R
1 AND 5 CHANGE	←Y	←Y	R	R	←Y	←Y	R	R	R	R	R	R
PHASE 2 AND 6	←R	←R	G	G	←R	←R	G	G	R	R	R	R
2 AND 6 CHANGE	←R	←R	Y	Y	←R	←R	Y	Y	R	R	R	R
PHASE 3	←R	←R	R	R	←R	←R	R	R	R	G	G	G
PHASE 3 CHANGE	←R	←R	R	R	←R	←R	R	R	R	Y	Y	Y
PHASE 4	←R	←R	R	R	←R	←R	R	R	G	G	R	R
PHASE 4 CHANGE	←R	←R	R	R	←R	←R	R	R	Y	Y	R	R
PRE EMPTION 1	←R	←R	G	G	←G	←G	R	R	R	R	R	R
PRE EMPTION 1 CHANGE	←R	←R	Y	Y	←Y	←Y	R	R	R	R	R	R
PRE EMPTION 2	←R	←R	R	R	←R	←R	R	R	G	G	R	R
PRE EMPTION 2 CHANGE	←R	←R	R	R	←R	←R	R	R	Y	Y	R	R
FLASHING OPERATION	FL/RA	FL/RA	FL/Y	FL/Y	FL/RA	FL/RA	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R

WIRING DIAGRAM



WIRING KEY

- A } VIDEO DETECTION CABLE 250'
- B } VIDEO DETECTION CABLE 500'
- C } VIDEO DETECTION CABLE 500'
- D } VIDEO DETECTION CABLE 500'
- E } NON-INVASIVE MICRO-PROBE CABLE
- F } NON-INVASIVE MICRO-PROBE CABLE
- G } NON-INVASIVE MICRO-PROBE CABLE
- H } NON-INVASIVE MICRO-PROBE CABLE
- I } MICRO LOOP PROBE SET (1000' LEAD IN CABLE)
- J } MICRO LOOP PROBE SET (1000' LEAD IN CABLE)
- LW } LOOP DETECTION CABLE NO 14AWG

TOD NO: AX139-03  
SHA NO: W1374A52/B52/C52  
US 13 BUS.: COLLEGE AVE TO  
SOMERSET COUNTY LINE



STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION

US 13 (OCEAN HWY) AND MD 756 / LINDEN AVE

GENERAL INFORMATION

SCALE 1"=20' ADVERTISED DATE CONTRACT NO.

DESIGNED BY E. SIMMERS COUNTY WORCESTER  
DRAWN BY E. SIMMERS LOGMILE  
CHECKED BY STEVE RENZI TMS NO. 1747  
F.A.P. NO. TOD NO.

TS NO. 2048 C DRAWING SG 1 OF 1 SHEET NO. 2 OF 2

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